

Attorney Docket No. MUH - 12818  
Application No. 10/675,049  
Filed: September 30, 2003  
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Abstract of the Disclosure:

A method and a furnace are provided for the vapor phase deposition of components onto semiconductor substrates. The main flow direction of the process gases can be varied or reversed by the furnace in the course of the method. This prevents temperature and concentration inhomogeneities of the process gas within the furnace, and permits the components to be uniformly deposited onto the semiconductor substrates.